

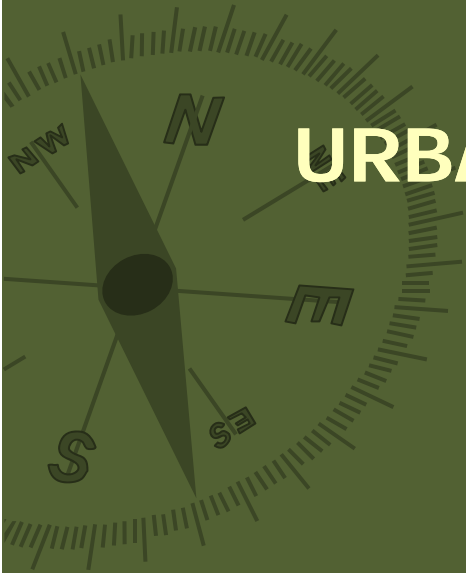
YOUR GUIDE TO THE GUIDEBOOK

... and the website, too

2010 URBAN WATER MANAGEMENT PLAN GUIDEBOOK WORKSHOP

Toni Pezzetti

Department of Water Resources



Presentation Topics

- ❖ Guidebook Overview
- ❖ Guidebook Tool
- ❖ Website Tour



FIRST

THE GUIDEBOOK



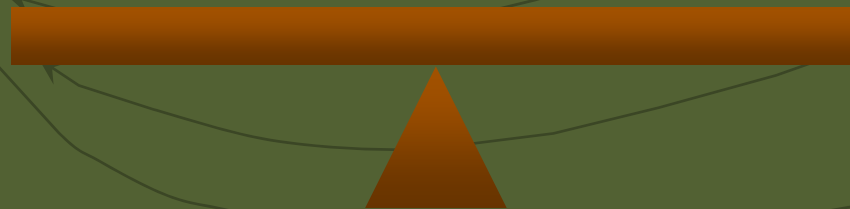
2010 Urban Water Management Planning

3
February-March 2011

The Guidebook Balancing Act

What is the role of the
Guidebook?

To provide strong direction
or general information?



The Guidebook Balancing Act

Strong
Direction

General
Info

How-To
Guide



2010 Urban Water Management Planning

The Guidebook Balancing Act

Strong
Direction

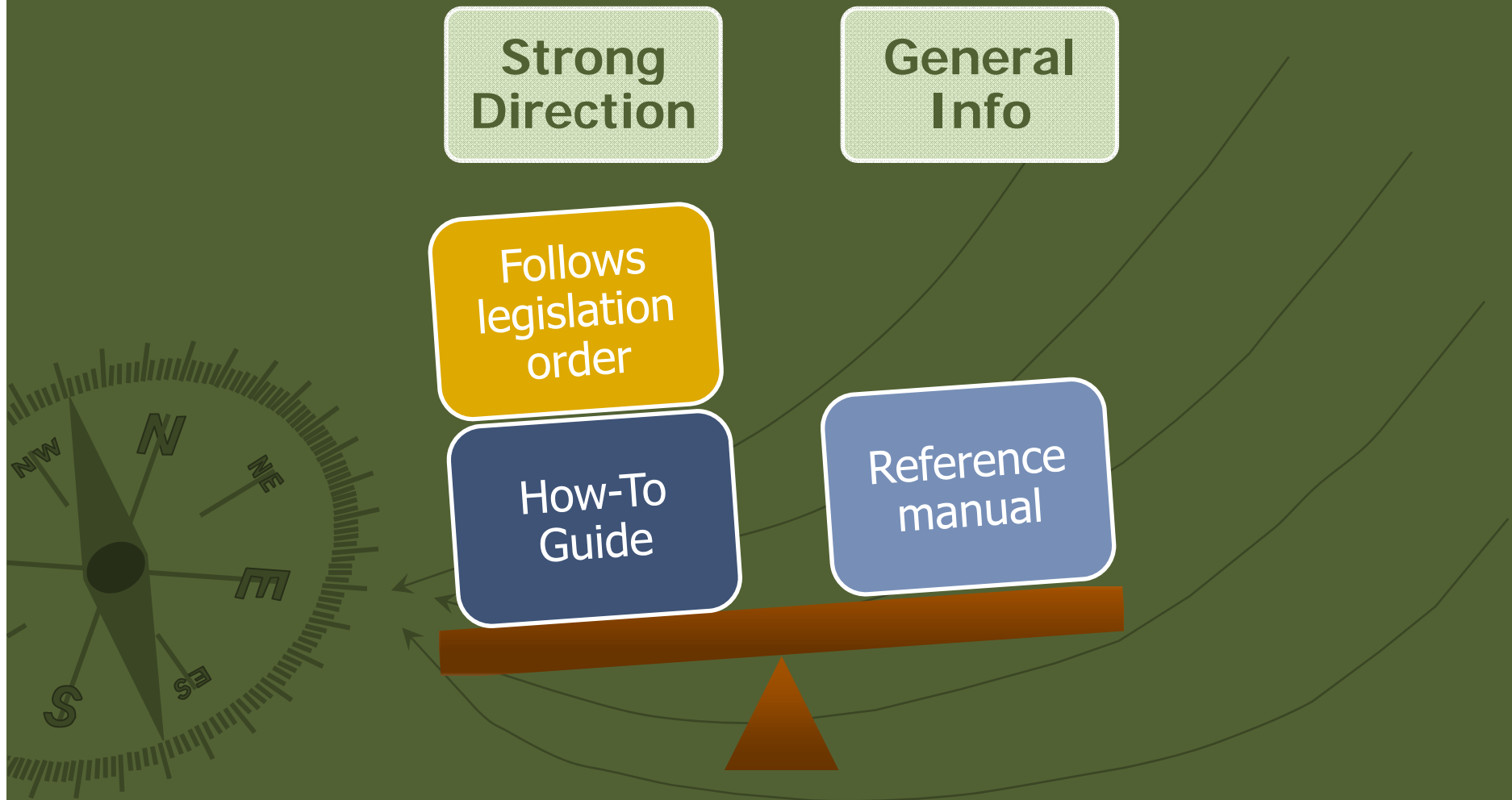
General
Info

How-To
Guide

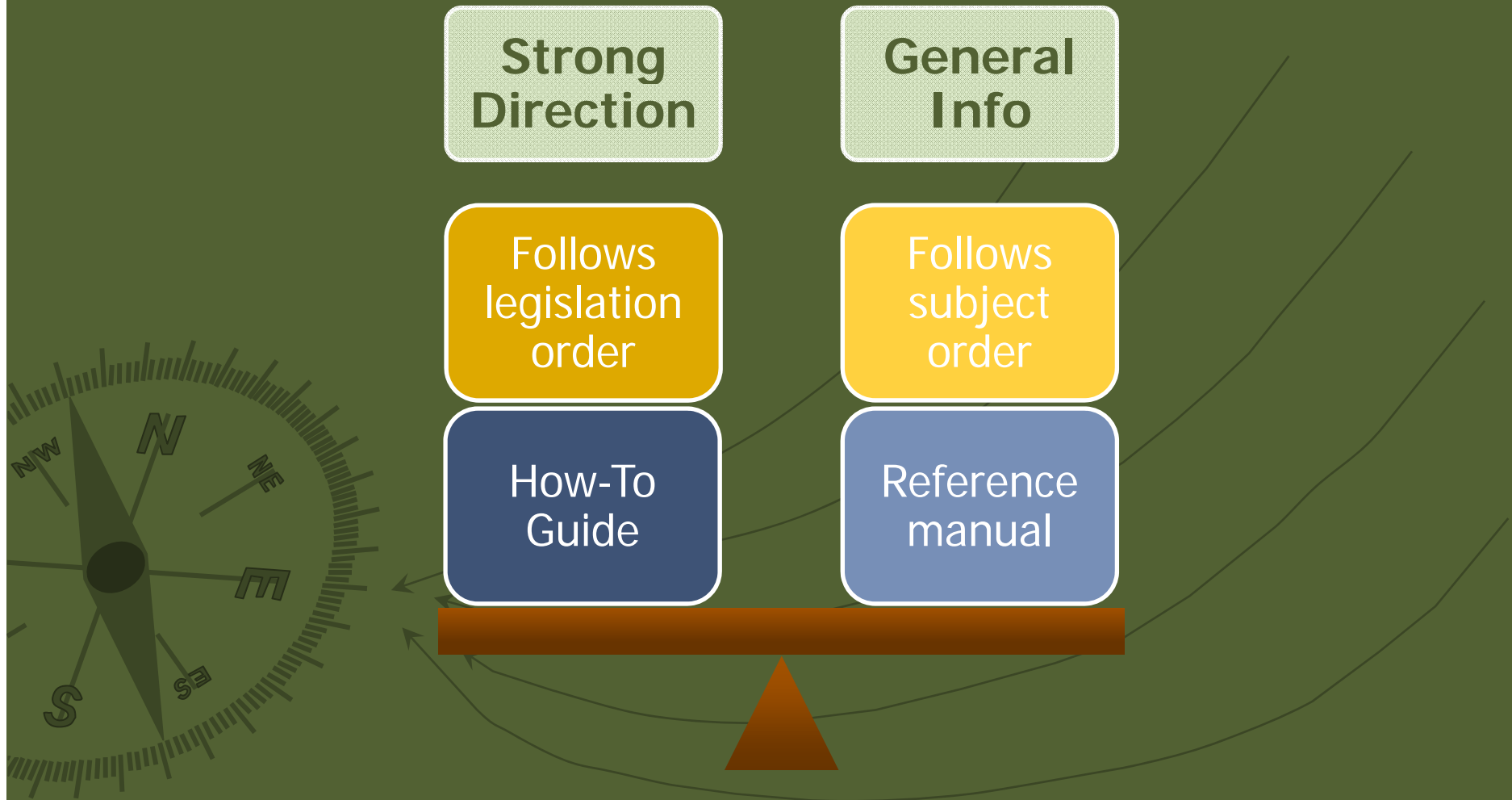
Reference
manual



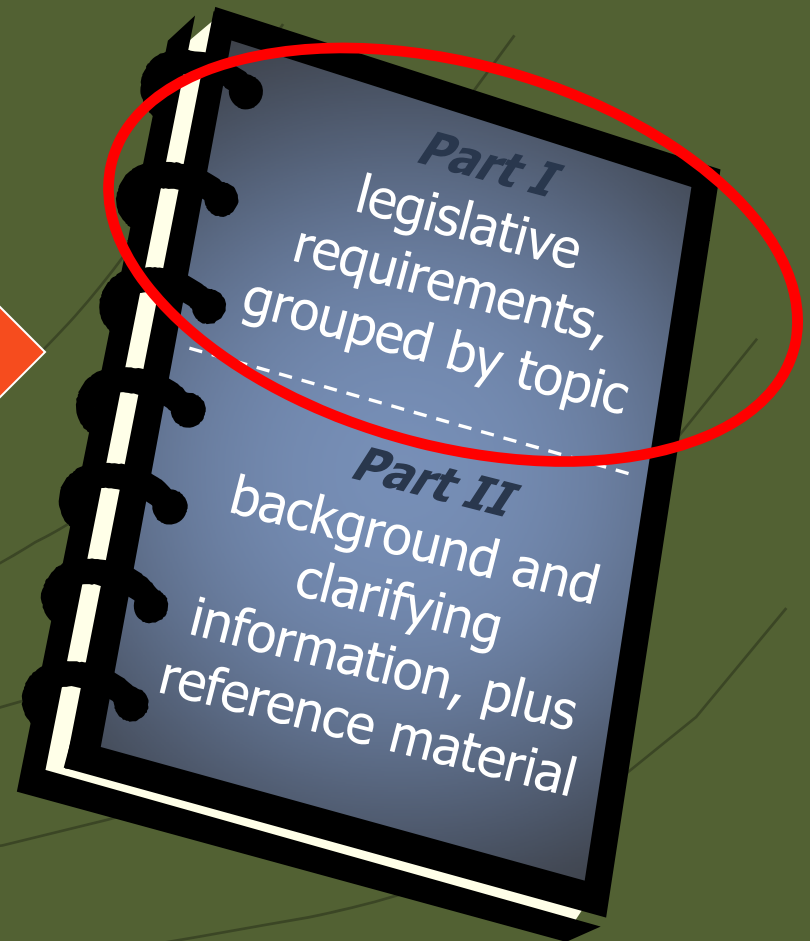
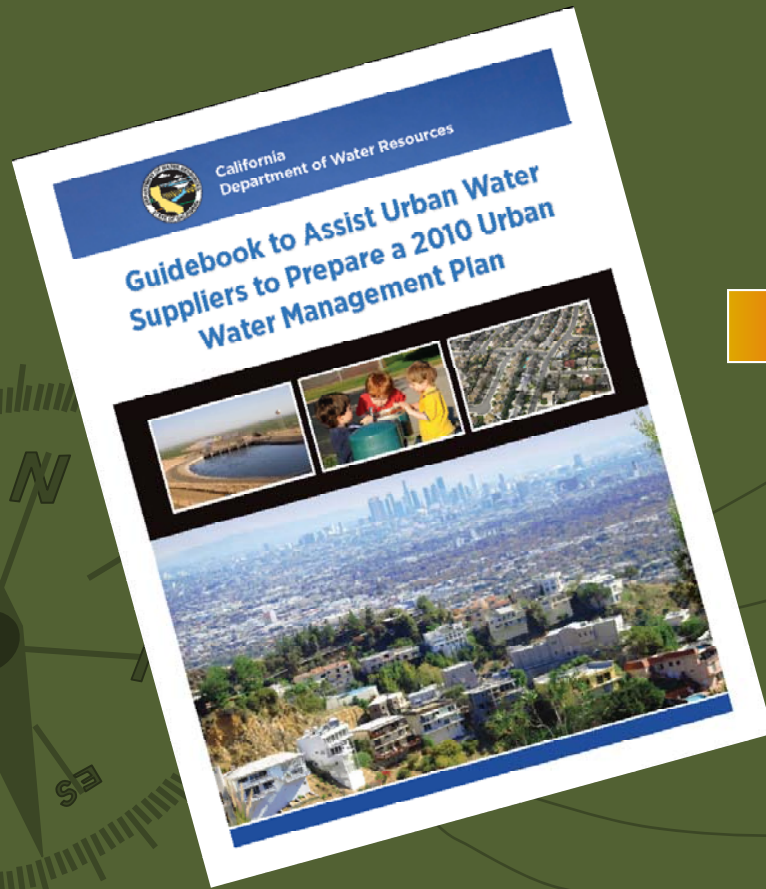
The Guidebook Balancing Act



The Guidebook Balancing Act



The 2010 Guidebook is both a Guide and a Reference Manual



Part I: Preparing a UWMP

This is the legislative requirements, grouped by topic

Introduction discusses Part I organization and presents how a water supplier can address whether to update or develop a new UWMP.



Part I: Preparing a UWMP

- ❖ Section 1: Plan Preparation
- ❖ Section 2: System Description
- ❖ Section 3: System Demands
- ❖ Section 4: System Supplies



Part I: Preparing a UWMP

- ❖ Section 5: Water Supply Reliability and Water Shortage Contingency Planning
- ❖ Section 6: Demand Management Measures
- ❖ Section 7: Climate Change (optional)
- ❖ Section 8: Completed UWMP Checklist (optional)



Part I: Preparing a UWMP

Section 2: System Description

UWMP Section 2 describes the urban water system. It includes a description of the climate, population, and demographics. Also helpful to include are descriptions of the physical system (transmission, treatment, and distribution facilities) to support the Water Conservation Act of 2009 requirements, discussions of changes to the water system, the water supplier's organizational structure, and any issues that affect the water system. It includes the following subsections:

- Service Area Physical Description
- Service Area Population

Required Elements — Service Area Physical Description

#8. Describe the service area of the supplier (10631(a)).

- Provide a description of the physical and political attributes of the area being supplied water.
- Maps, tables, or photographs can be included to support the description of the system.

#9. (Describe the service area) climate (10631(a)).

- Climate data may be presented in tables (similar to 2005) or figures, or can be presented as ranges within the text of the UWMP along with general discussion of seasonal variability.

Required Elements — Service Area Population

#10. (Describe the service area) current and projected population . . . The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier . . . (10631(a)).

- Population estimates may be provided for both the entire urban water supplier and for the urban centers supplied by the water supplier's distribution system. Clearly indicate whether the population estimates are for the urban water supplier or the area directly served by the distribution system. Provide the source(s) of the population estimates.
- The population estimate for areas served by the distribution system is to be developed using the process described in Technical Methodology 2: Service Area Population (Part II, Section M).

#11. . . . (population projections) shall be in five-year increments to 20 years or as far as data is available (10631(a)).

Part II, Section M, of this document contains technical methodologies.

- Current and projected population estimates are to be provided for the following years: 2010, 2015, 2020, 2025, and 2030.
- Population estimates may also be provided for 2035, if the water supplier intends to have 20-year water supply and demand estimates available until the completion of the 2015 UWMP. This enables a water supplier to have its 2010 UWMP support WSA and written VWS for five years.

#12. Describe . . . other demographic factors affecting the supplier's water management planning (10631(a)).

- Discussion of demographics should include anything affecting water supply issues that are appropriate and relevant to preparation of the 2010 UWMP, such as:
 - Housing
 - Employment
 - Customer base
 - Industry
 - Disadvantaged communities
 - Restrictions

Other Helpful Information

Inclusion of maps to show the surrounding region and service area is helpful. Maps could show the urban water supplier boundaries and the service area that determine the population projections.

Suggested Tables

Part II, Section N, of this document contains blank UWMP tables.

One table (see Part II, Section N for blank versions of the UWMP tables) is suggested for inclusion in UWMP Section 2:

- Table 2: Population — current and projected

Part II: Supporting Information

- ❖ Section A: 2010 Urban Water Management Plan Schedule, Submittal, and Review
- ❖ Section B: Changes in Urban Water Management Plan Requirements Since 2005
- ❖ Section C: Regional Water Planning
- ❖ Section D: Baseline and Target Determination
- ❖ Section E: Demand Management Measures and Best Management Practices
- ❖ Section F: Related Programs

Part II: Supporting Information

- ❖ Section G: Guidance on Climate Change for Urban Water Management Plans
- ❖ Section H: Electronic Submittal
- ❖ Section I: Urban Water Management Plan Checklist
- ❖ Section J: DWR Staff UWMP 2010 Review Sheet
- ❖ Section K: California Water Code, Division 6, Part 2.6: Urban Water Management Planning

Part II: Supporting Information

- ❖ Section L: California Water Code, Division 6, Part 2.55: Water Conservation
- ❖ Section M: Water Conservation Bill of 2009 Technical Methodologies
- ❖ Section N: Recommended UWMP Data Tables
- ❖ Section O: References
- ❖ Section P: Glossary



NEXT

**GUIDEBOOK TOOLS
TO SUPPORT UWMP
COMPLETION**



Guidebook Support Tools

- ❖ Checklist
- ❖ Copy of the DWR Review Sheet
 - ◆ DOST development
 - ◆ Not to be included in an adopted UWMP
- ❖ Flow chart
- ❖ DOST users manual
- ❖ Hydrologic Basin tools

Checklist – Section I

2010 UWMP Guidebook

Final

No.	UWMP requirement ^a	Calif. Water Code reference	Subject ^b	Additional clarification	UWMP location
	data from the state, regional, or local service agency population projections within the service area of the urban water supplier . . .			Use the method described in "Baseline Daily Per Capita Water Use." See Section M.	
11	. . . (population projections) shall be in five-year increments to 20 years or as far as data is available.	10631(a)	Service Area	2035 and 2040 can also be provided to support consistency with Water Supply Assessments and Written Verification of Water Supply documents.	
12	Describe . . . other demographic factors affecting the supplier's water management planning	10631(a)	Service Area		
13	Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a).	10631(b)	Water Supply	The 'existing' water sources should be for the same year as the "current population" in line 10. 2035 and 2040 can also be provided to support consistency with Water Supply Assessments and Written Verification of Water Supply documents.	
14	(Is) groundwater . . . identified as an existing or planned source of water available to the supplier . . . ?	10631(b)	Water Supply	Source classifications are: surface water, groundwater, recycled water, storm water, desalinated sea water, desalinated brackish groundwater, and other.	
15	(Provide a) copy of any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management. Indicate whether a groundwater management plan been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of	10631(b)(1)	Water Supply		

I-3

2/21/2011

DWR Review Sheet

2010 UWMP Guidebook

2010 Urban Water Management Plan "Review for Completeness" Form

AGENCY NAME HERE

1. Coordination with Appropriate Agencies (Water Code § 10620 (a)(1)(2))

☐ Participated in state, regional, watershed or basinwide URBAN WATER MANAGEMENT PLAN _____ Reference & Page Number

☐ Name of plan _____

☐ Lead Agency _____

☐ Described the coordination of the plan preparation and anticipated benefits. _____ Reference & Page Number

Table 1

Public and agency coordination

Coordinating Agencies ^{1,2}	Participated in developing the plan	Commented on the draft	Attended public meetings	Was contacted for assistance	Was sent a copy of the draft plan	Was sent a notice of intention to adopt	Not involved / No information
Other water suppliers							
Water right agencies							
Relevant public agencies							
Governmental entities							
Other							

¹ Provide the specific name of the agency with which coordination or outreach occurred.

² Check at least one box in each row.

DWR Review Comments: _____

2. Describe resource maximization / importation plan (Water Code § 10620 (g))

☐ Described how water management tools / options maximize resources & minimize need to import water. _____ Reference & Page Number

DWR Review Comments: _____

3. Plan Updated in Years Ending in Five and Zero (Water Code § 10621(a))

☐ Updated and adopted plan _____ Date adopted _____ Reference & Page Number

DWR Review Comments: _____

4. City and County Notification and Participation (Water Code § 10621(b))

☐ Provided 90-day notification to any city or county within service area of UWMP review and revision. _____ Reference & Page Number

DWR Review Comments: _____

5. Service Area Information (Water Code § 10631 (a))

☐ Included current and projected population in 5-year increments for 30 years. _____ Reference & Page Number

☐ Provided population projections were based on data from state, regional or local agency. _____ Reference & Page Number

Table 2

Population - current and projected

	2010	2015	2020	2025	2030	2035 - optional	Extra source ³
Service area population ⁴							

³ Service area population is defined as the population served by the distribution system. See Technical Methodology 2: Service Area Population (2010 UWMP Guidebook, Section 4C).

⁴ Provide the source of the population data provided.

☐ Described climate characteristics that affect water management. _____ Reference & Page Number

☐ Described other demographic factors affecting water management. _____ Reference & Page Number

DWR Review Comments: _____

6. Water Sources (Water Code § 10631 (b))

☐ Identified existing and planned water supply sources, to the extent practicable. _____ Reference & Page Number

☐ Provided current water supply quantities. _____ Reference & Page Number

☐ Provided planned water supply quantities. _____ Reference & Page Number

Table 3

Water supplies - current and projected

Water Supply Sources	2010	2015	2020	2025	2030	2035 - optional
Water purchased from ¹						
Wholesaler 1 (water agency control)						
Wholesaler 2 (water agency control)						
Wholesaler 3 (water agency control)						
Supplier-owned/controlled groundwater ²						
Supplier-owned/controlled surface water						
Transfer to						
Recycled water						
Desalinated water						
Other						
Total	0	0	0	0	0	0

¹ Include (circle one): acre-feet per year million gallons per year cubic feet per year

² Includes current water rights for water supply purposes in current state waters or anticipated in the future. In certain circumstances, water rights may be constructed, where the construction opportunity is.

³ Additional sources here should be consistent with Table 12 and 13.

DWR Review Comments: _____

Baseline & Targets Flowchart

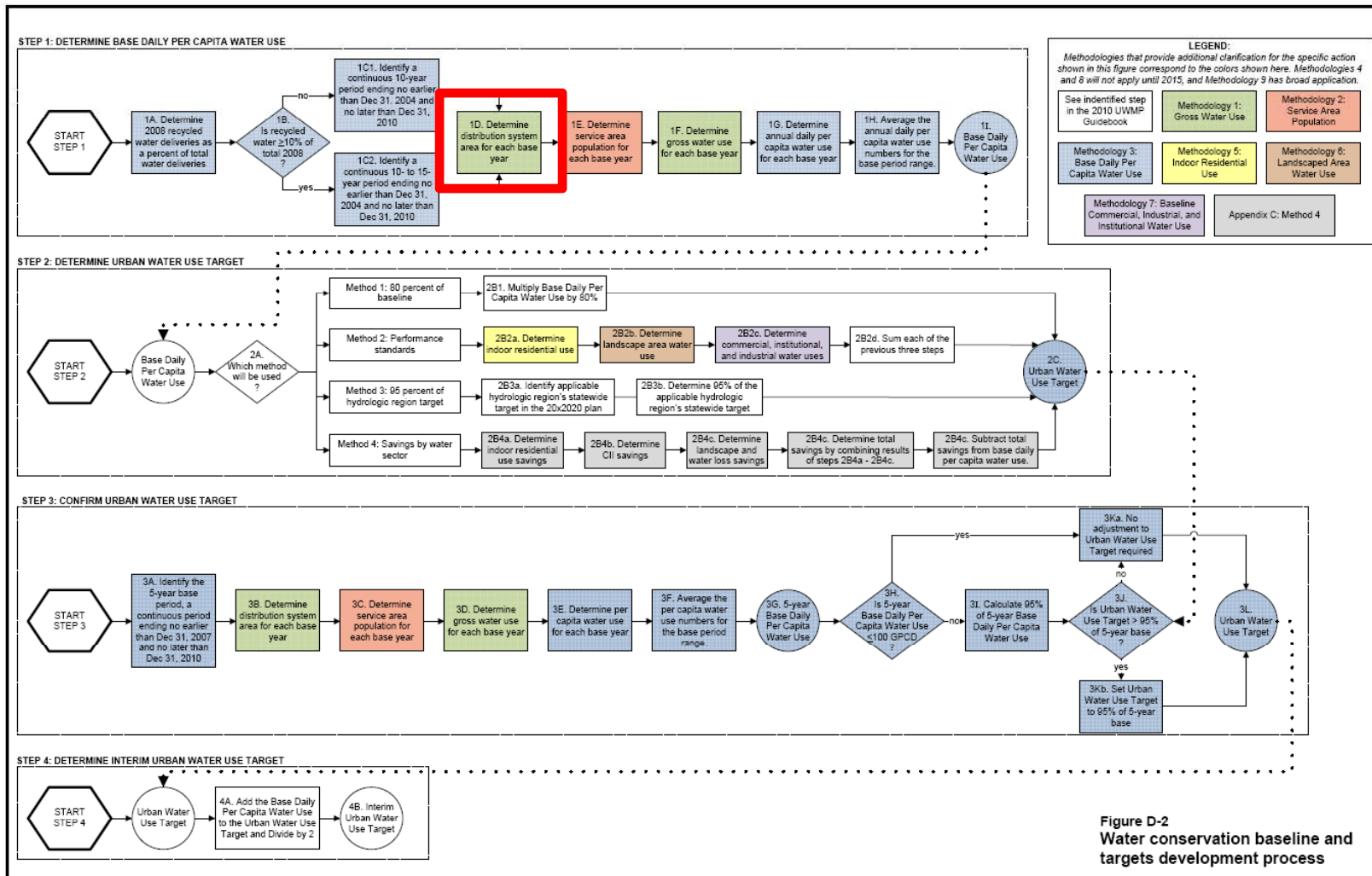
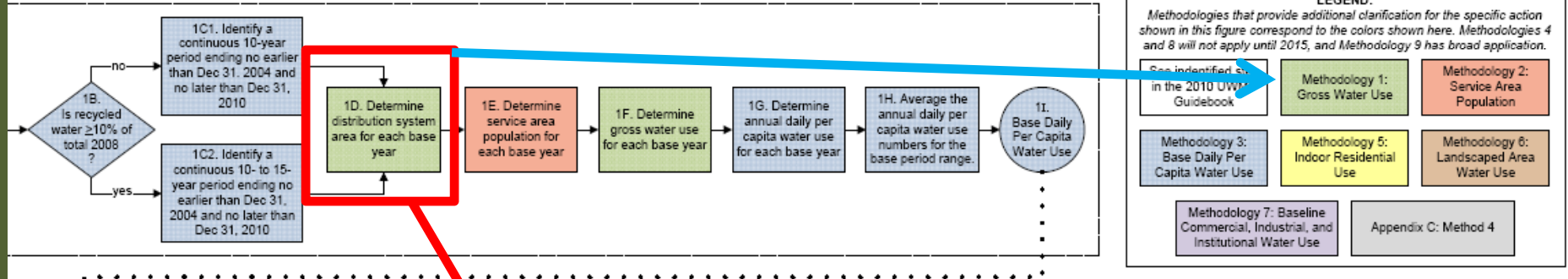


Figure D-2
Water conservation baseline and targets development process

Baseline & Targets Flowchart

A WATER USE



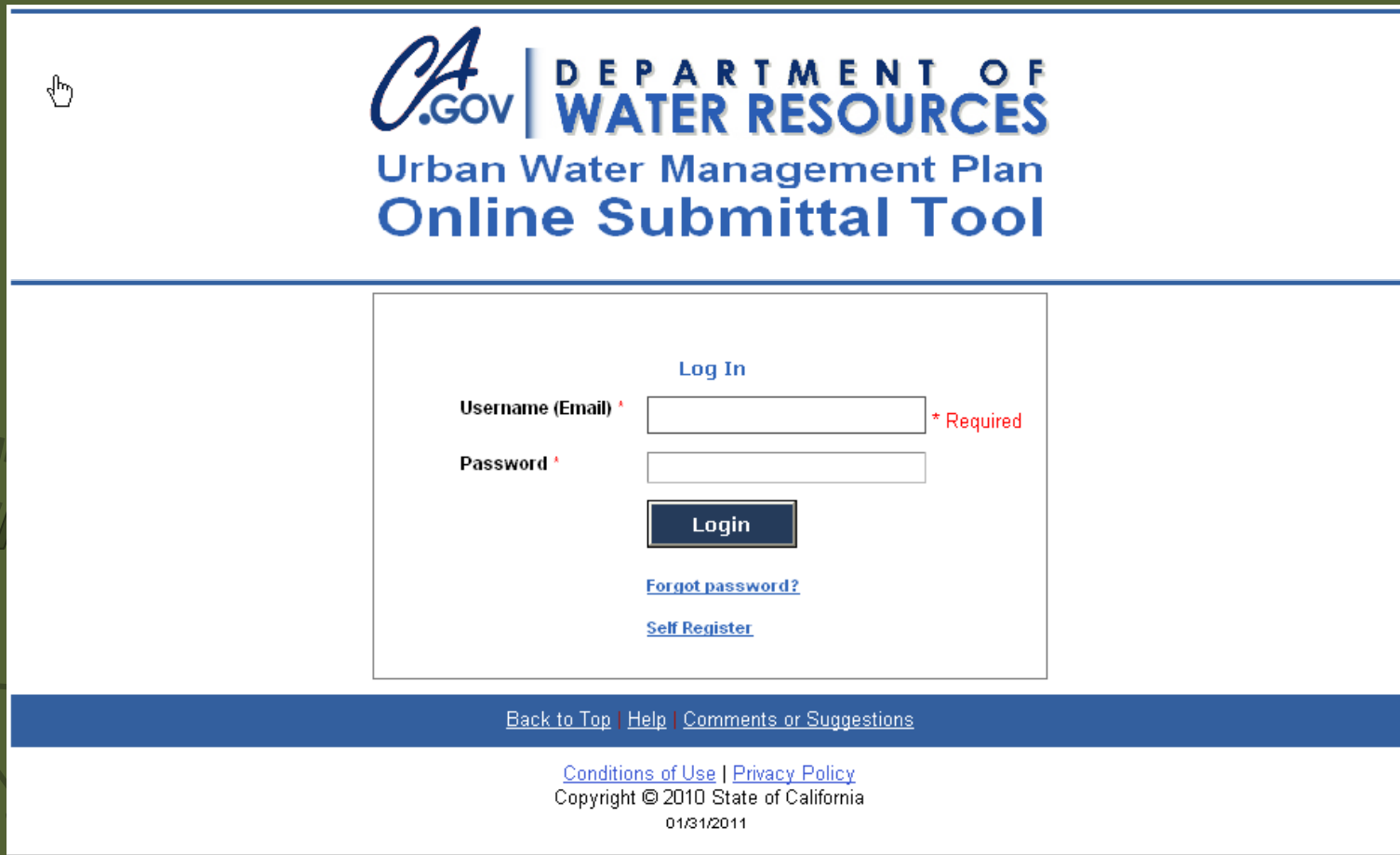
Guidebook Section D

Step 1D: Estimate Distribution System Area

The service area identifies the physical extent for which both the population and gross water use will be determined and, ultimately, the base daily per capita water use. For the purposes of implementing this legislation, the service area is equivalent to a water supplier's distribution system.

Using Step 2 of Methodology 1 (Gross Water Use), delineate the distribution system boundary for each of the base period years. A map is to be included in the UWMP that shows the Distribution System Boundary and any changes that occurred in the boundary during the base period. This map may be a single page using shading or various line types to show system area changes over the identified base period.

DOST Users Manual



The screenshot shows the login interface for the DOST (Department of Water Resources) Urban Water Management Plan Online Submittal Tool. The page has a white background with a blue header and footer. The header contains the CA.GOV logo and the text 'DEPARTMENT OF WATER RESOURCES Urban Water Management Plan Online Submittal Tool'. The main content area is a white box with a blue border. Inside this box, there is a 'Log In' section with two input fields: 'Username (Email) *' and 'Password *'. Both fields have a red asterisk and the word 'Required' next to them. Below the password field is a blue 'Login' button. Under the button are two links: 'Forgot password?' and 'Self Register'. The footer is a blue bar with white text: 'Back to Top | Help | Comments or Suggestions'. Below the footer is a white bar with blue text: 'Conditions of Use | Privacy Policy', 'Copyright © 2010 State of California', and '01/31/2011'.

CA.GOV | DEPARTMENT OF WATER RESOURCES
Urban Water Management Plan
Online Submittal Tool

Log In

Username (Email) * * Required

Password *

Login

[Forgot password?](#)

[Self Register](#)

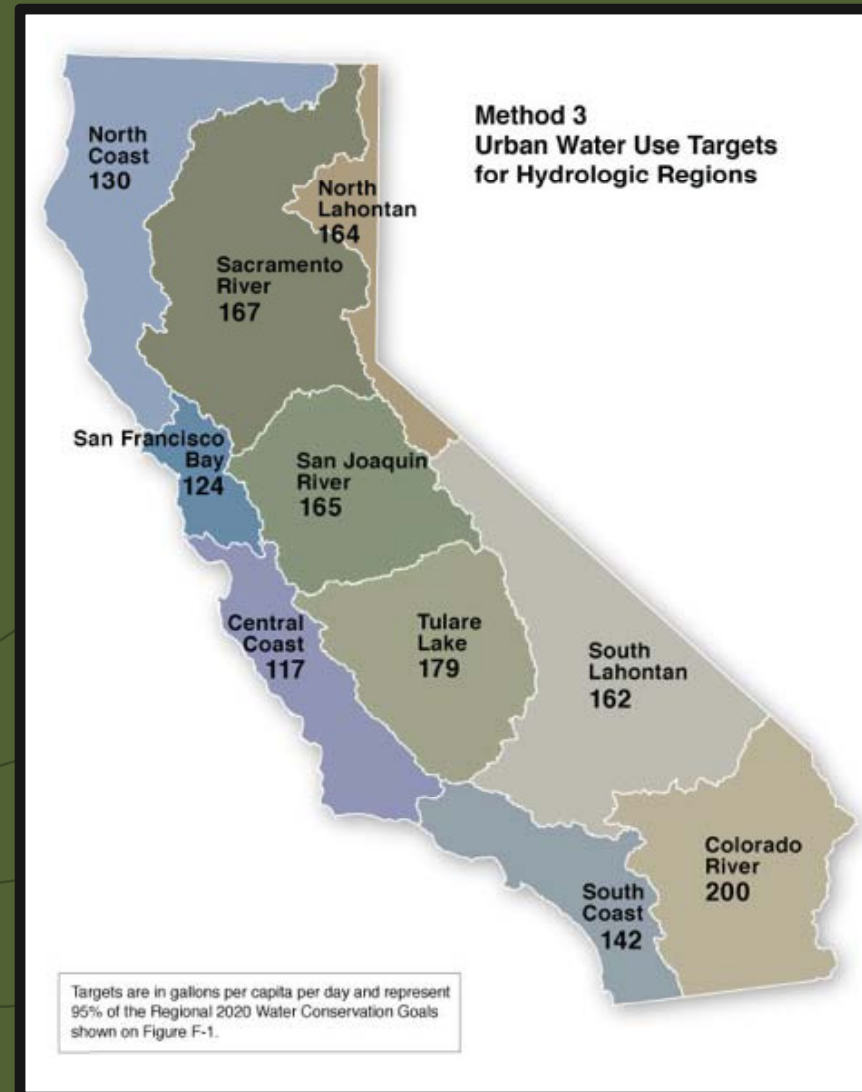
[Back to Top](#) | [Help](#) | [Comments or Suggestions](#)

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Copyright © 2010 State of California
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Hydrologic Basin Tools

Two tools are available on the UWMP Website:

- ❖ Google Earth-based
- ❖ IRWIS



NEXT UP

A TOUR OF THE WEBSITE



2010 Urban Water Management Planning

The UWMP Webpage

<http://www.water.ca.gov/urbanwatermanagement/>

The screenshot shows the official website of the California Department of Water Resources, specifically the Urban Water Management section. The page features a navigation menu with links such as Home, Newsroom, Flood & Safety, Planning, State Water Project, Funding, Environment, and Supply & Use. A sidebar on the left lists various resources under 'URBAN WATER MANAGEMENT' and 'RELATED LINKS'. The main content area displays a 'Guidebook to Assist Urban Water Suppliers to Prepare' and a '2005 Urban Water Management' report. A large yellow diamond-shaped sign with a black border and a black hammer and wrench icon is overlaid on the page, with the text 'Improvements in Progress' written across it in a large, bold, red font. The sign is positioned in the center of the page, partially obscuring the main content. The website's footer includes contact information for the UWMP and a link to the '2005 Urban Water Management' report.

Improvements in Progress

The UWMP Webpage

URBAN WATER MANAGEMENT

- [Home](#)
- [Workshops and Webinars](#)
- [2010 UWMP Guidebook and Files](#)
- [DOST](#)
- [2010 UWMP Tools](#)
- [External Publications](#)
- [2005 UWMPs](#)
- [SB610/SB221 Guidebook FAQs](#)
- [AB1420](#)
- [HQ and Regional Contacts](#)
- [FAQs](#)

Info on upcoming meetings

- Electronic copy of Guidebook with hotlinks
- Excel and Word files

- Link
- User's Guide

- Hydrologic Basin Tools
- Flowchart

So, what's changing with the Final Guidebook . . . ? *part 1*

- ❖ Added the cross-references
- ❖ Made the changes identified in the addendum
- ❖ Did some additional editing and added some footnotes
- ❖ Deleted the table from Section A with the Fall 2010 schedule
- ❖ Changed the Northern Region contact

So, what's changing with the Final Guidebook . . . ? *part 2*

- ❖ Added retailer vs wholesaler requirements
- ❖ Addressed the question of how to move forward in the UWMPing effort, if the CUWCC data base isn't back up soon
- ❖ Clarified what is required for retailers if a DMM is not being implemented
- ❖ Added figure with Method 3 targets
- ❖ Added California State Library submittal info

So, what's changing with the Final Guidebook . . . ? *part 3*

- ❖ Changed the language from DWR determining UWMPs are 'complete' to 'complies with the California Water Code'
- ❖ Added clarifying language that the UWMP adoption workshop can also be expanded to include public discussion of the supplier's approach to addressing the Water Conservation Bill of 2009 requirements

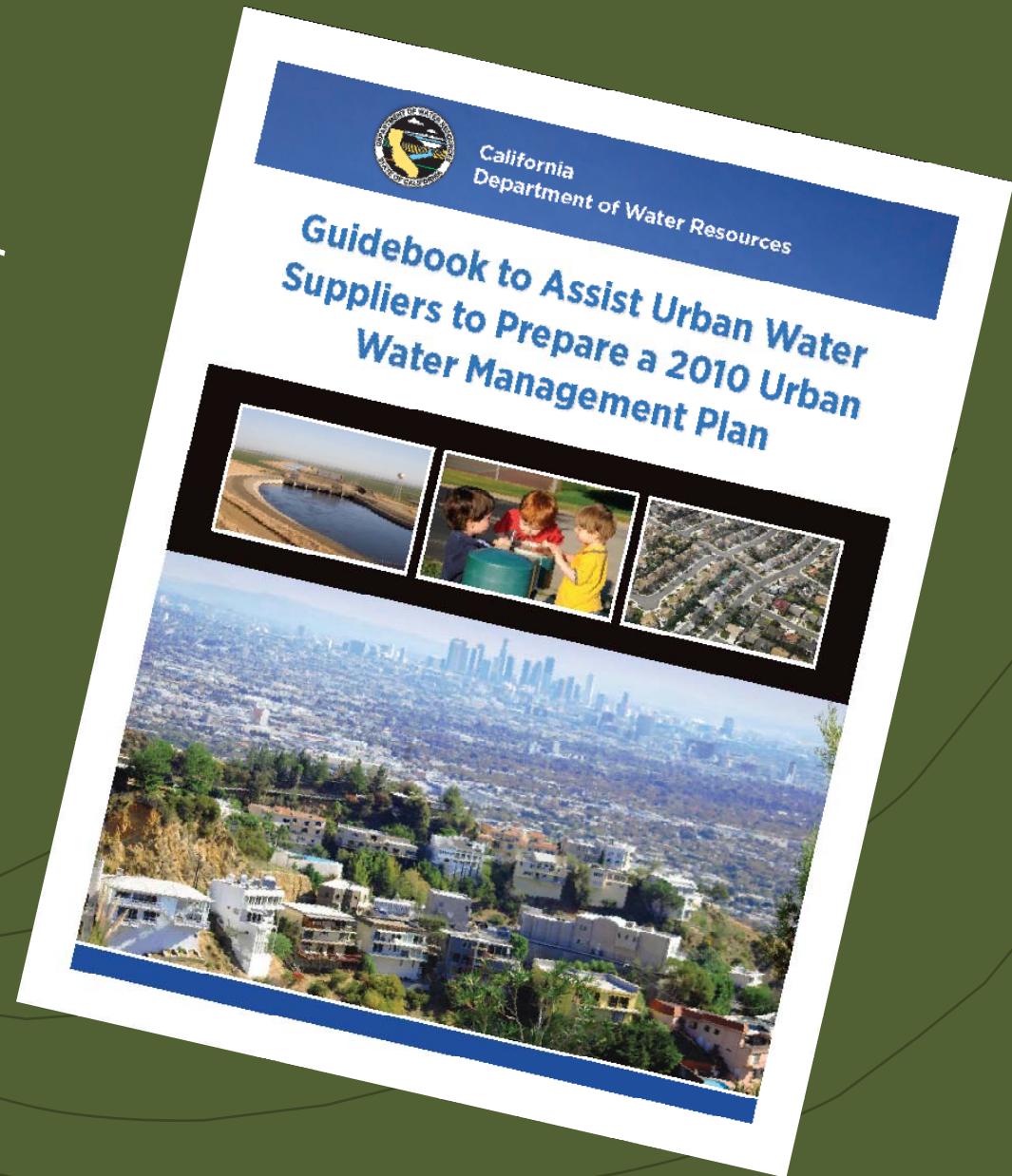
So, when will the final guidebook be out?

The pdf version has been uploaded onto the UWMP website.

The online version with hot links will be available by the end of the week.



Questions or
comments?



2010 Urban Water Management Planning